

Prior Art

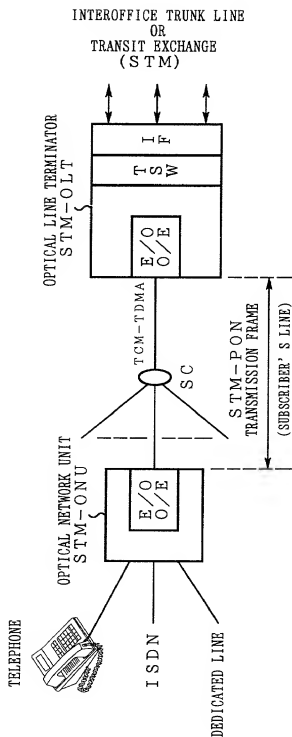


Fig. 1

Prior Art

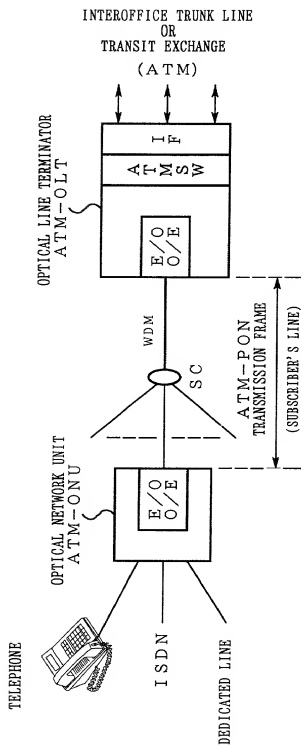


Fig. 2

Prior Art

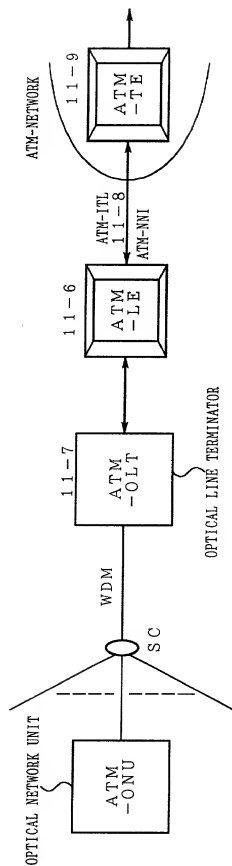
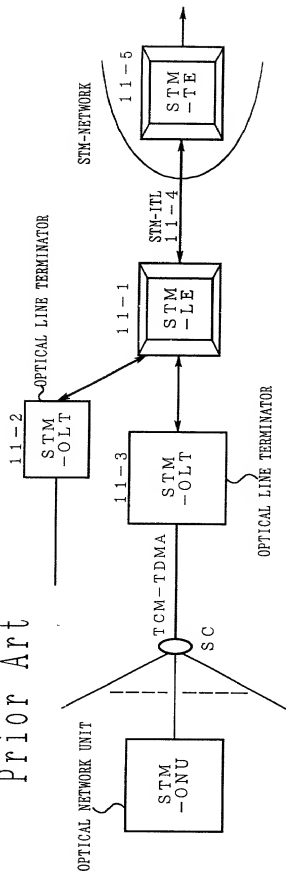


Fig. 3

Prior Art

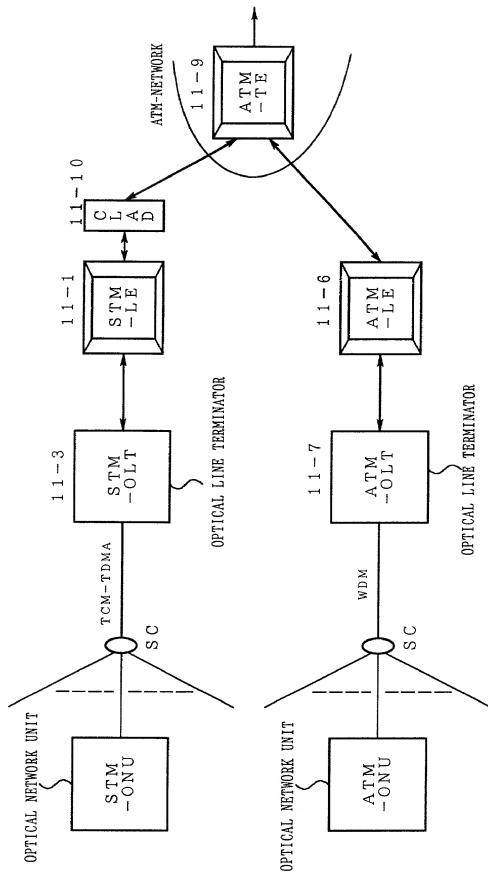


Fig. 4

Prior Art

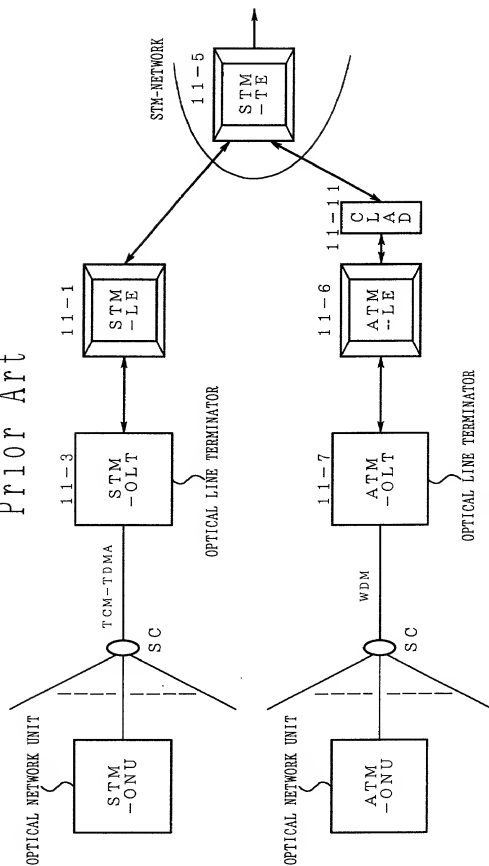


Fig. 5

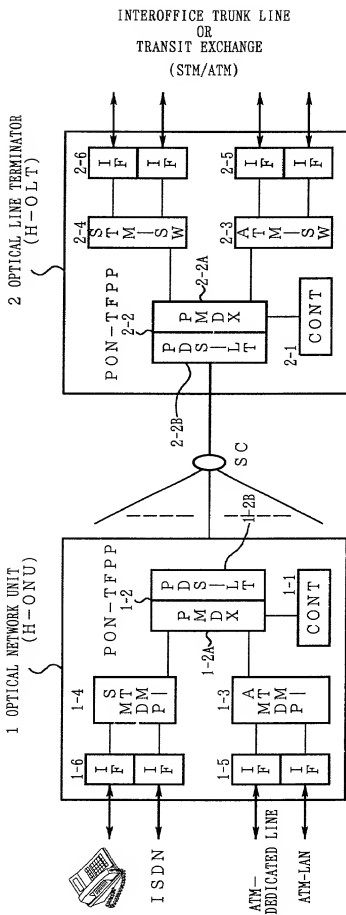


Fig. 6

DOWNSTREAM PON TRANSMISSION FRAME (ONU←OLT, CONTINUOUS SIGNALS)

SUPERVISORY CONTROL INFORMATION	STM SIGNALS	ATM SIGNALS
------------------------------------	-------------	-------------

{
 SUPERVISORY CONTROL INFORMATION MAIN SIGNAL TRANSMISSION FIELD
 TRANSMISSION FIELD (IN UNITS OF CELLS OR TIME SLOTS OF FIXED LENGTHS)

UPSTREAM PON TRANSMISSION FRAME (ONU→OLT, BURST SIGNALS)

SUPERVISORY CONTROL INFORMATION	STM SIGNALS	ATM SIGNALS
------------------------------------	-------------	-------------

{
 SUPERVISORY CONTROL INFORMATION MAIN SIGNAL TRANSMISSION FIELD
 TRANSMISSION FIELD (IN UNITS OF CELLS OR TIME SLOTS OF FIXED LENGTHS)

Fig. 7

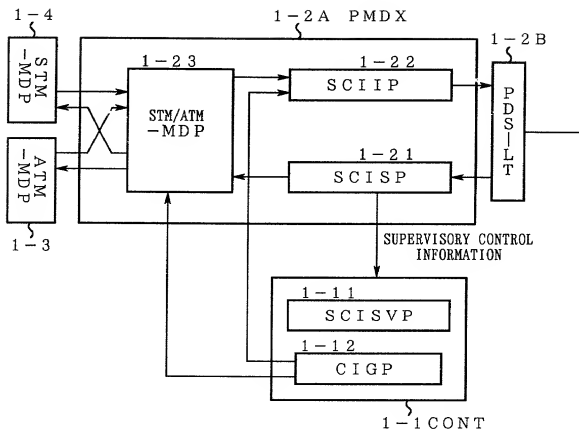


Fig. 8

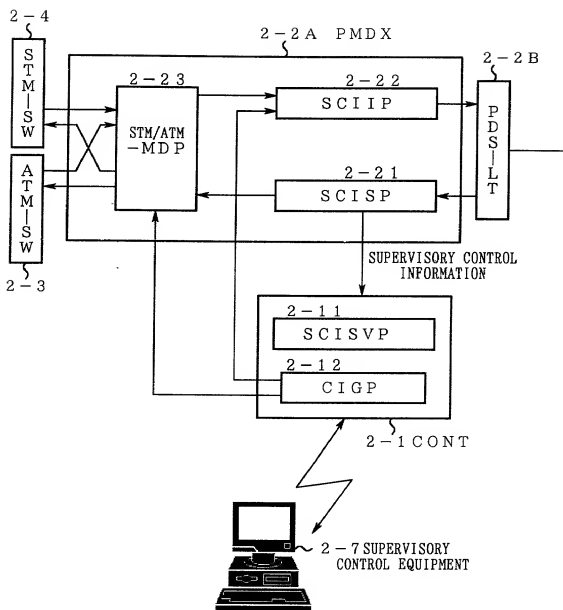


Fig. 9

BIT	TITLE	LOGIC	MEANING
0	ATM CELL OR STM TIME SLOT	0 : ATM 1 : STM	KIND OF SIGNAL STORED IN THE NUMBER OF CELL OR TIME SLOT DESIGNATED BY 8 BITS
1	ATM CELL NUMBER OR STM TIME SLOT NUMBER	1	CELL NUMBER OR TIME SLOT NUMBER IN PON TRANSMISSION FRAME (NUMBER 1,2,3--256)
2		1	
3		0	
4		0	
5		0	
6		0	
7		0	
8		0	

Fig. 10

DOWNSTREAM ATM-PON TRANSMISSION FRAME

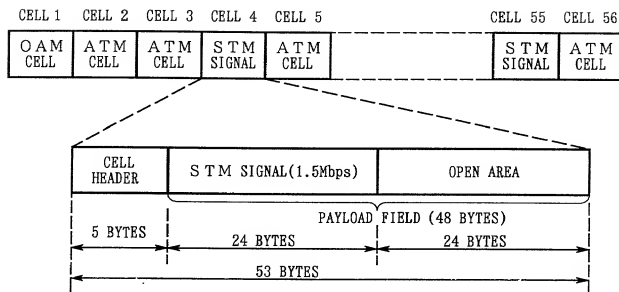


Fig. 11

DOWNSTREAM STM-PON TRANSMISSION FRAME

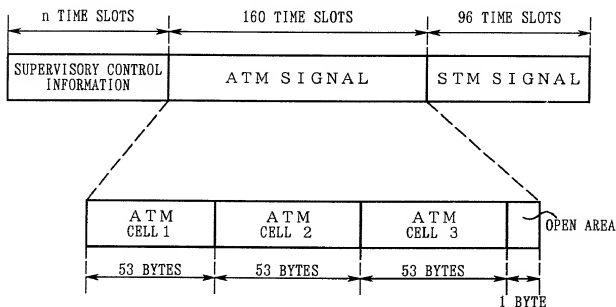


Fig. 12

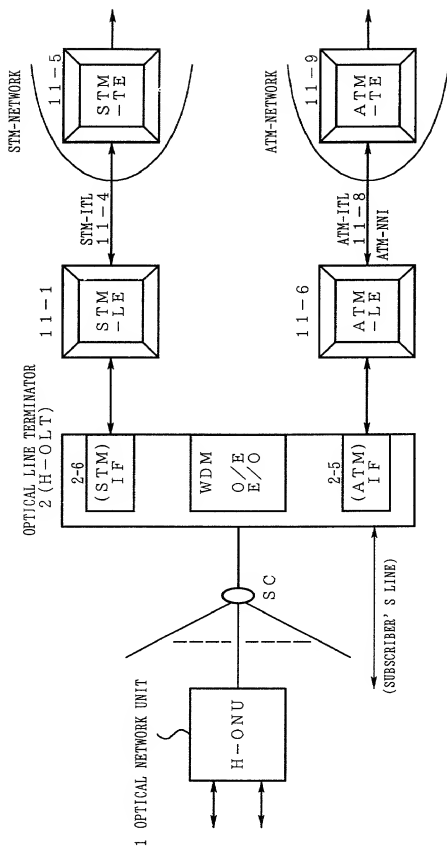


Fig. 13